

Stochastic resonance in small-particle magnetism. I. Radiospectroscopic study

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Abstract

The magnetic susceptibility of the superparamagnetic particle modulated along its magnetic easy axis by the RF field has been calculated. The temperature behaviour of the pole of this function at the modulation frequency may be considered as a realization of the stochastic resonance in this system.

<http://dx.doi.org/10.1088/0953-8984/4/12/020>
